

### Things to Know

1. Anything out of the Beam Permit Module is a “QLO” and anything into the Beam Permit System is a “QLI”. Everything is referenced to the beam permit module. In my block diagrams I labeled the beam permit module the beam permit system.
2. You can compare times to one another only within the Timing Resolver (TR) chassis. You cannot compare one time in one TR chassis to another time in another TR chassis.

These would be the instructions for determining what brought the yellow link down first using the timing resolver:

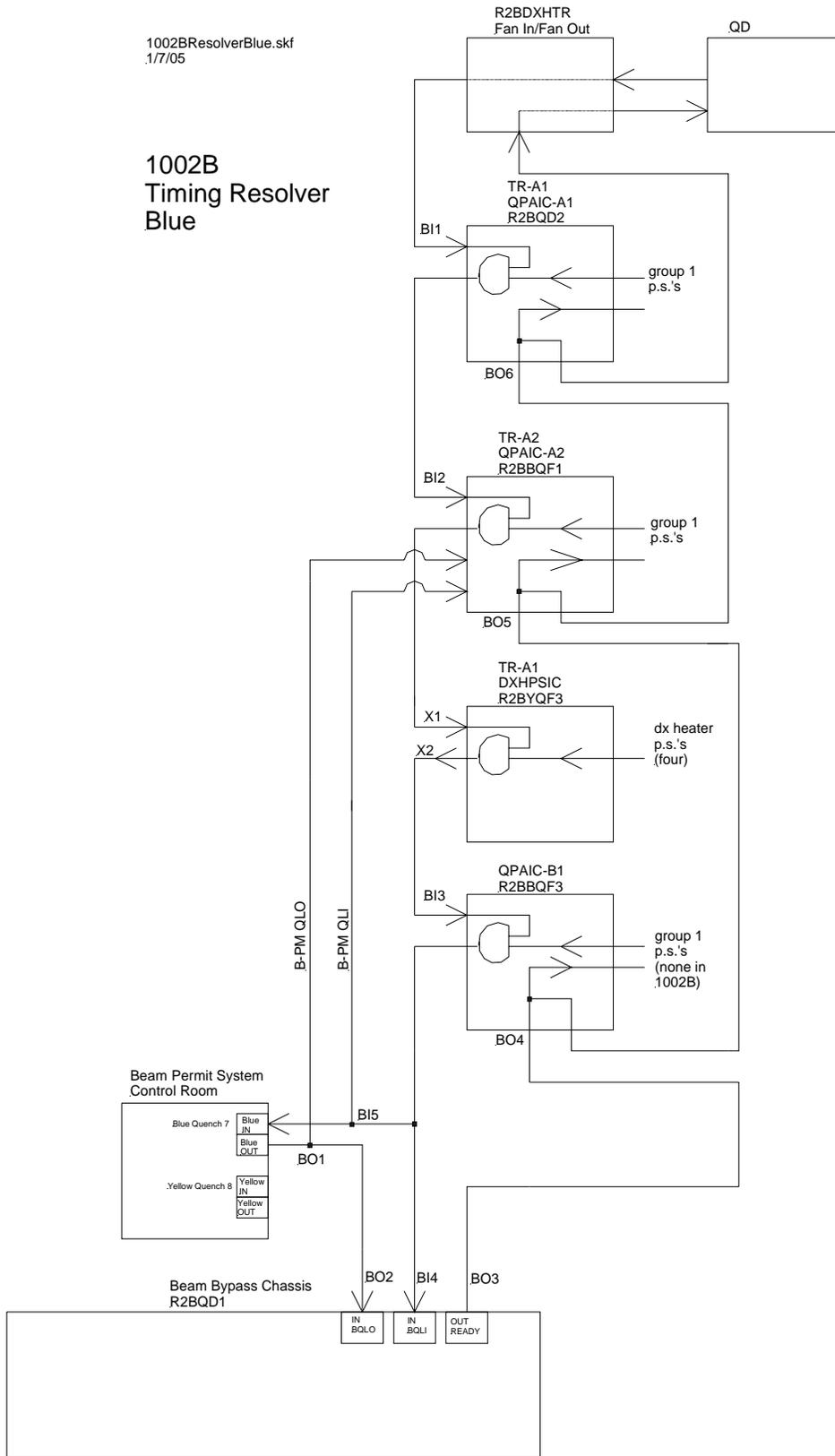
- 1) First check the quench summary page to see which building went first.
- 2) Next go to that timing resolver page for that building and that color ring and compare the times of YO2 and YI4 for yellow. You should see that YI4 went first and then follow it up the chain to YI3, YI2, etc..
- 3) If you see that YO2 went first then you want to compare the times of YO1 and YI5. You will probably find that YO1 went first which most likely means a problem with the controls system beam permit module or this building did not trip the link first. You should double check that this building went first by going back to the quench summary page.
- 4) Look at the example of “QDS.1083559378”

These would be the instructions for determining what brought the blue link down first using the timing resolver:

- 1) First check the quench summary page to see which building went first.
- 2) Next go to that timing resolver page for that building and that color ring and compare the times of BO2 and BI4 for yellow. You should see that BI4 went first and then follow it up the chain to BI3, BI2, etc..
- 3) If you see that BO2 went first then you want to compare the times of BO1 and BI5. You will probably find that BO1 went first which most likely means a problem with the controls system beam permit module or this building did not trip the link first. You should double check that this building went first by going back to the quench summary page.
- 4) Look at the example of “QDS.1083592848”

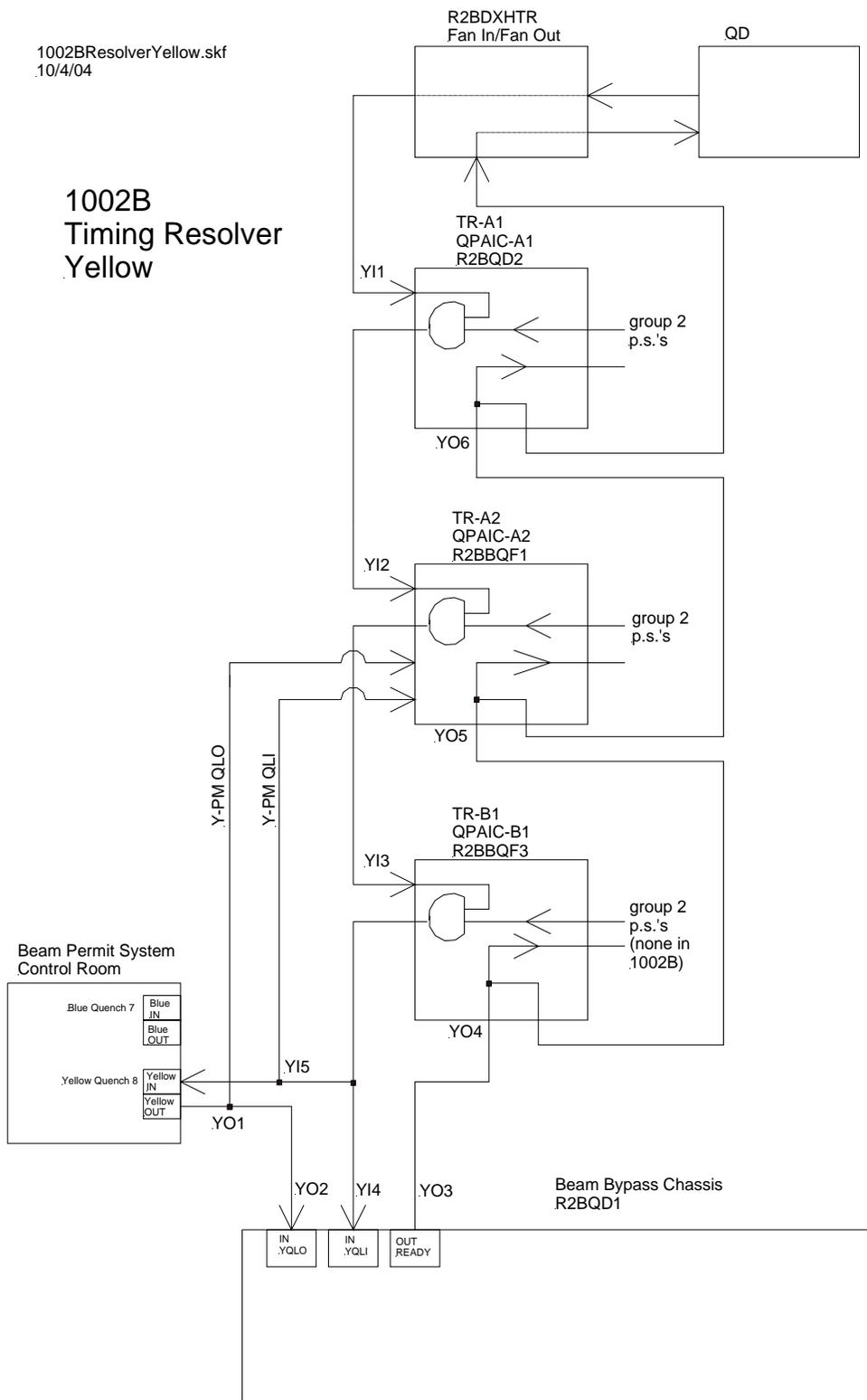
1002BResolverBlue.skf  
1/7/05

### 1002B Timing Resolver Blue



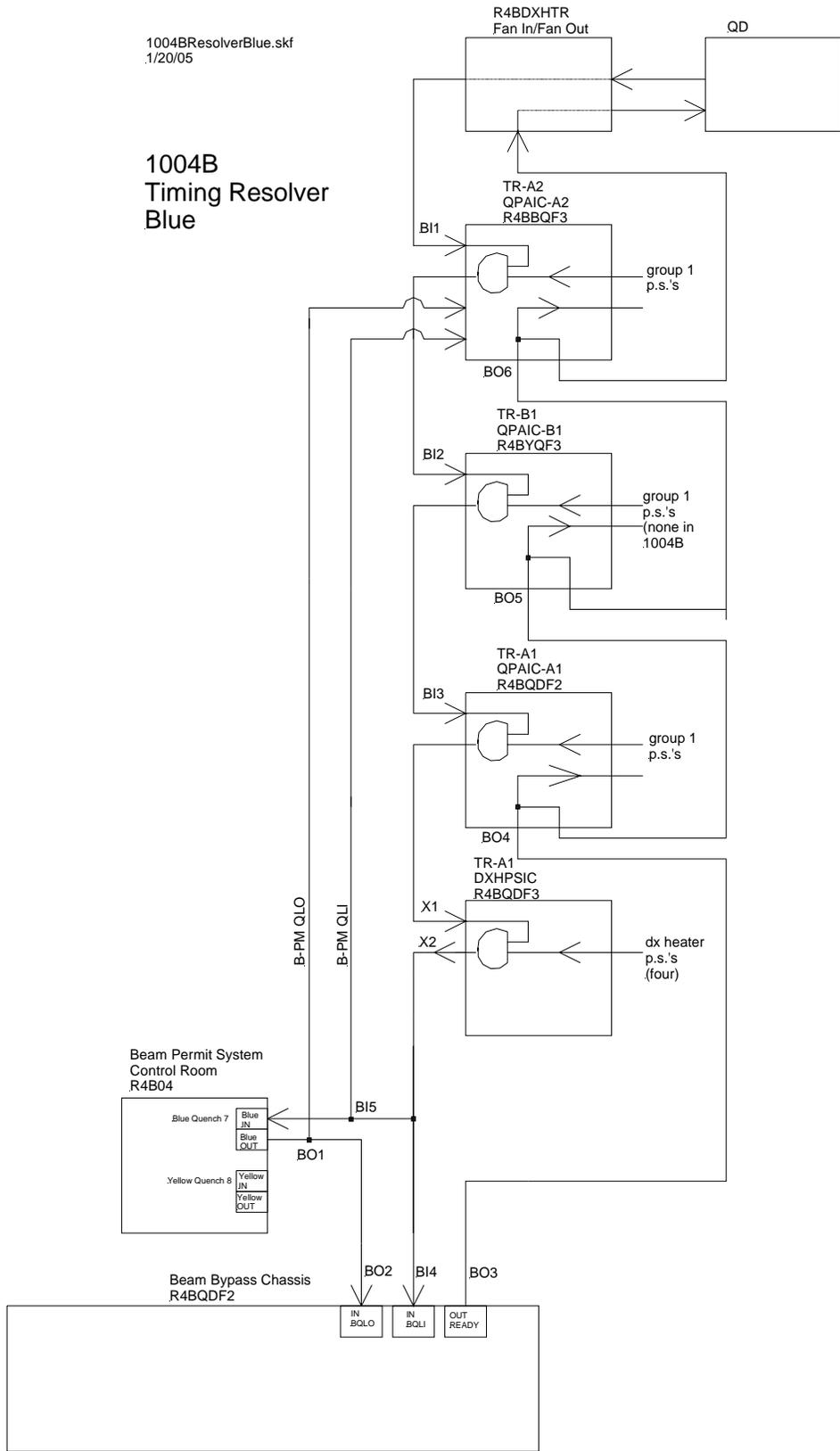
1002BResolverYellow.skf  
10/4/04

# 1002B Timing Resolver Yellow



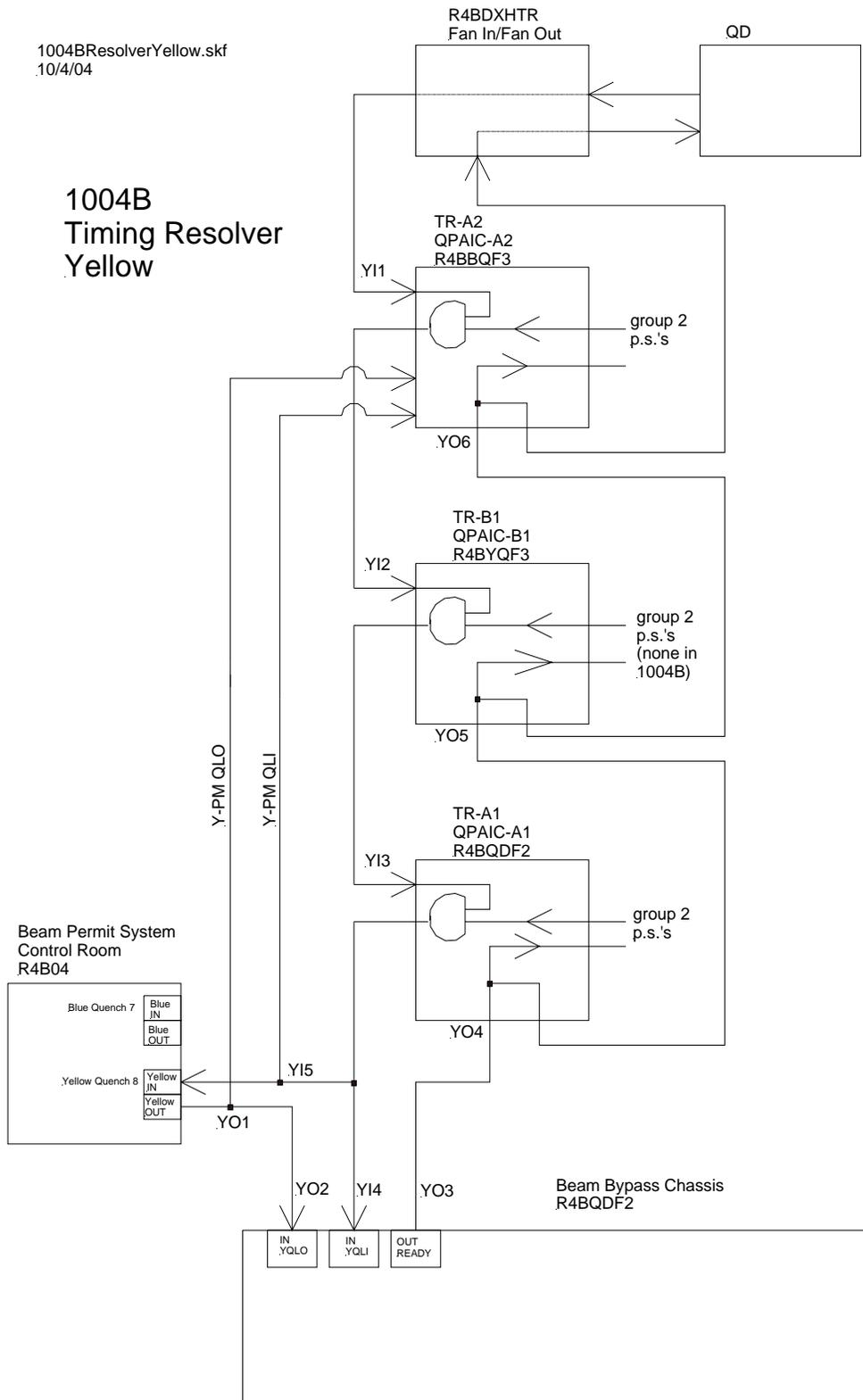
1004BResolverBlue.skf  
1/20/05

# 1004B Timing Resolver Blue



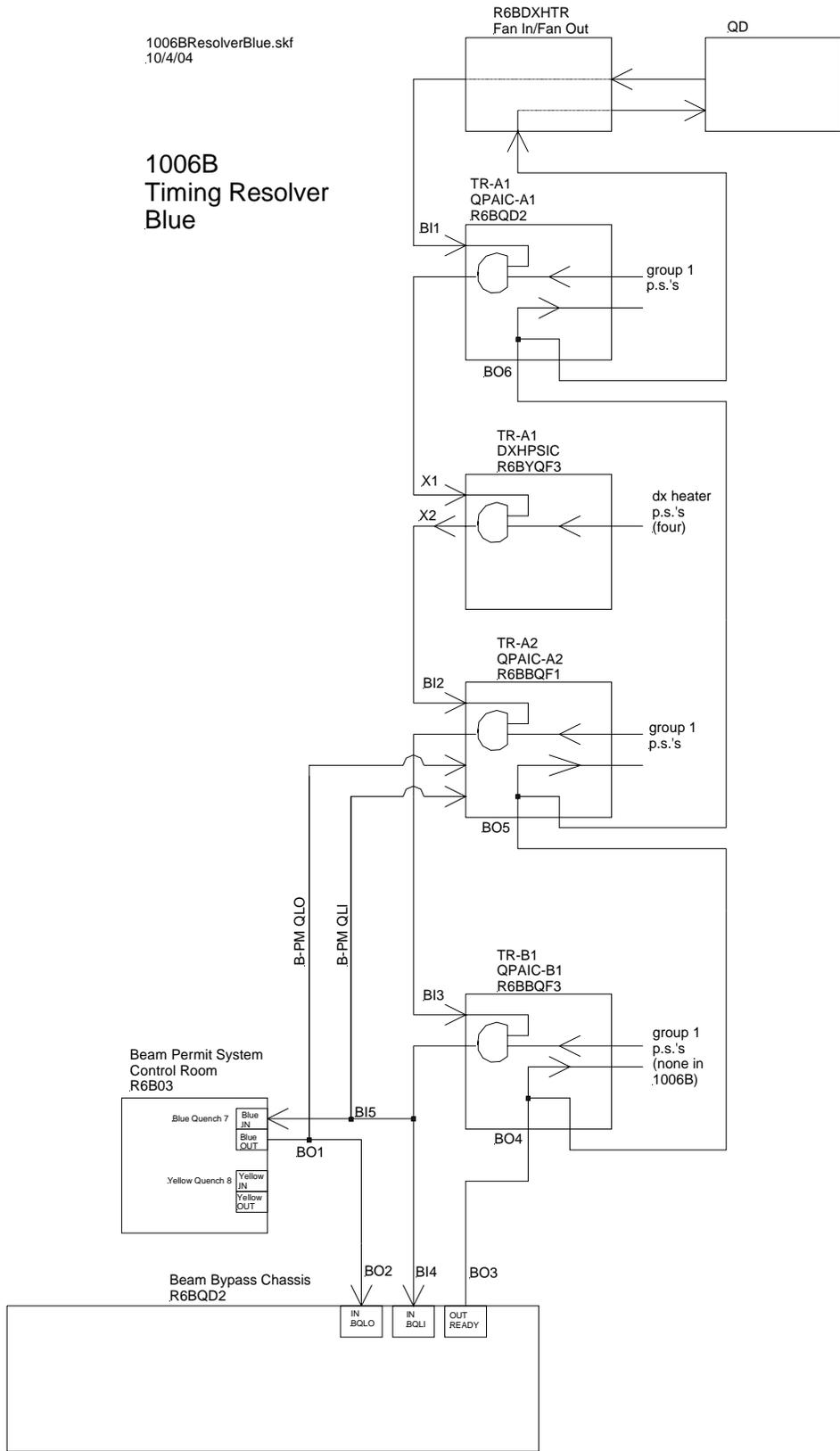
1004BResolverYellow.skf  
10/4/04

### 1004B Timing Resolver Yellow



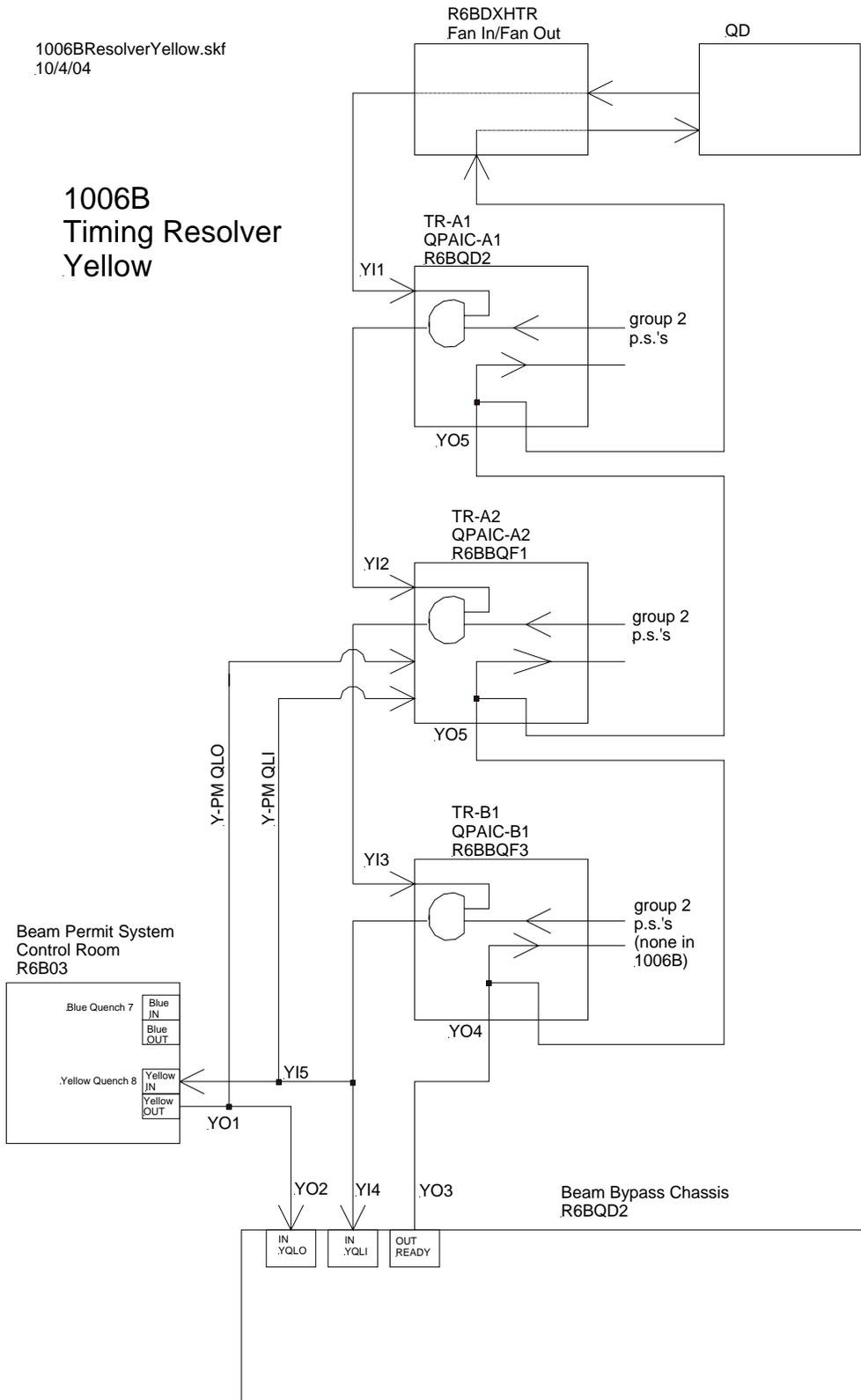
1006BResolverBlue.skf  
10/4/04

# 1006B Timing Resolver Blue



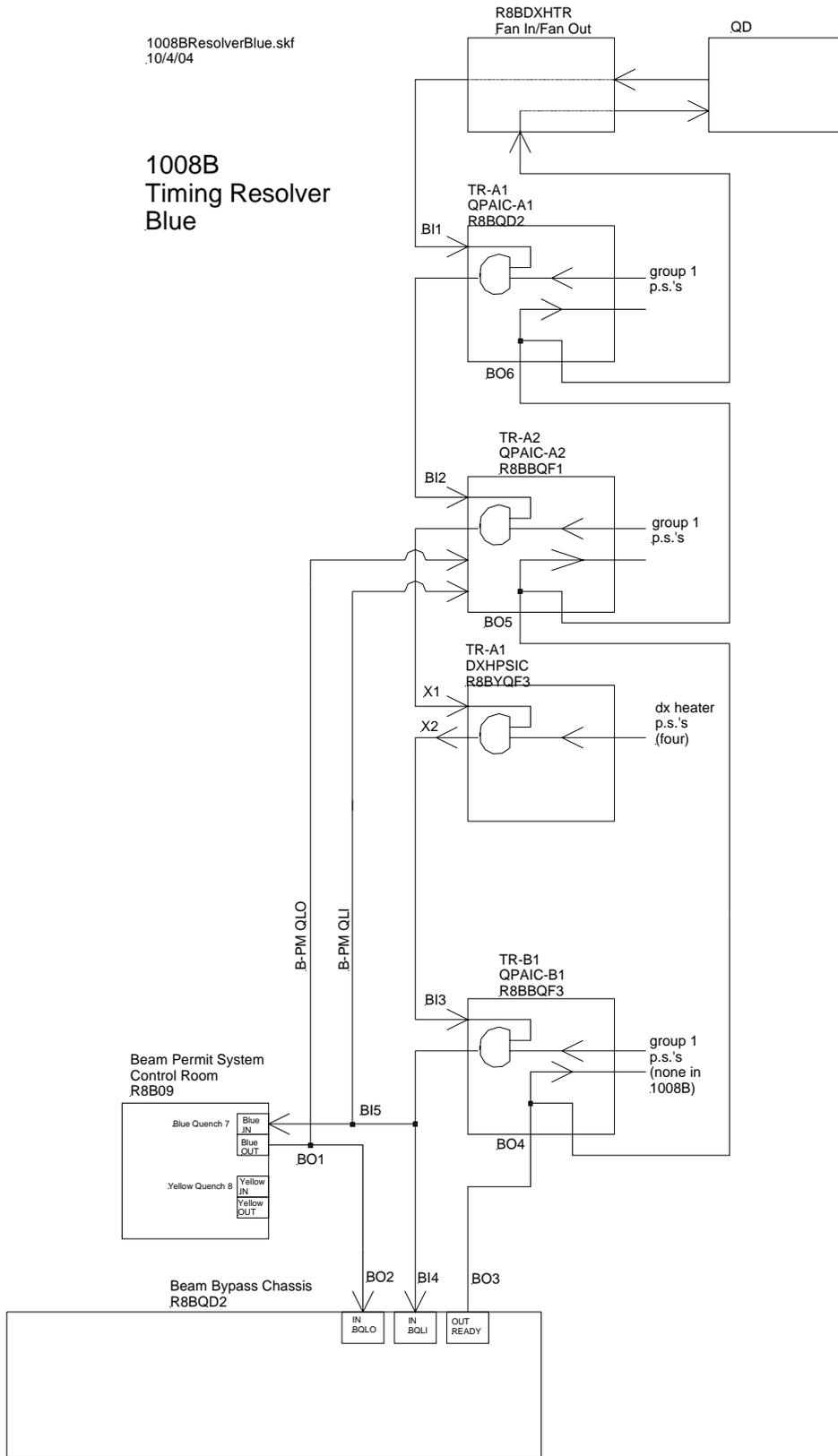
1006BResolverYellow.skf  
10/4/04

# 1006B Timing Resolver Yellow



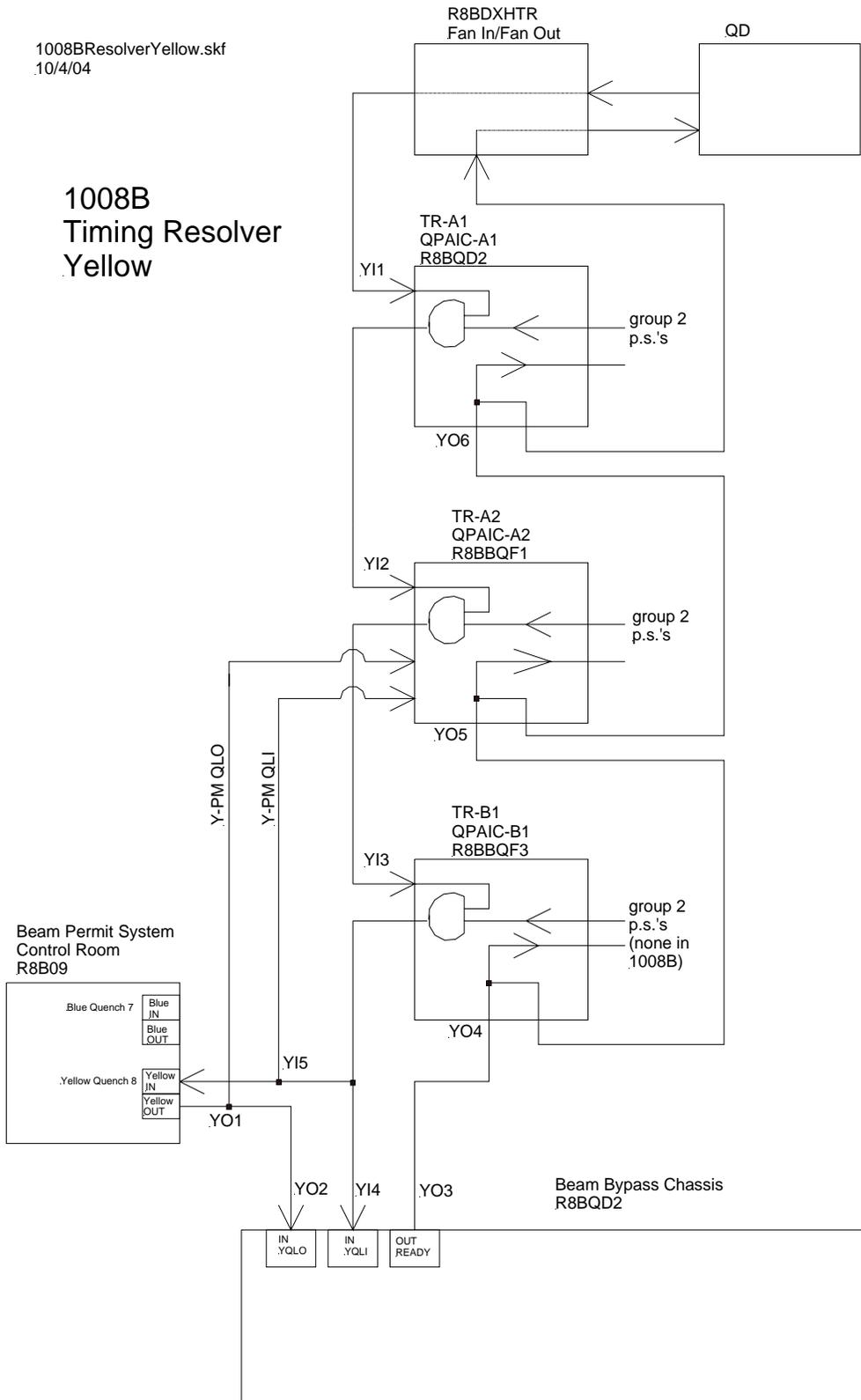
1008BResolverBlue.skf  
10/4/04

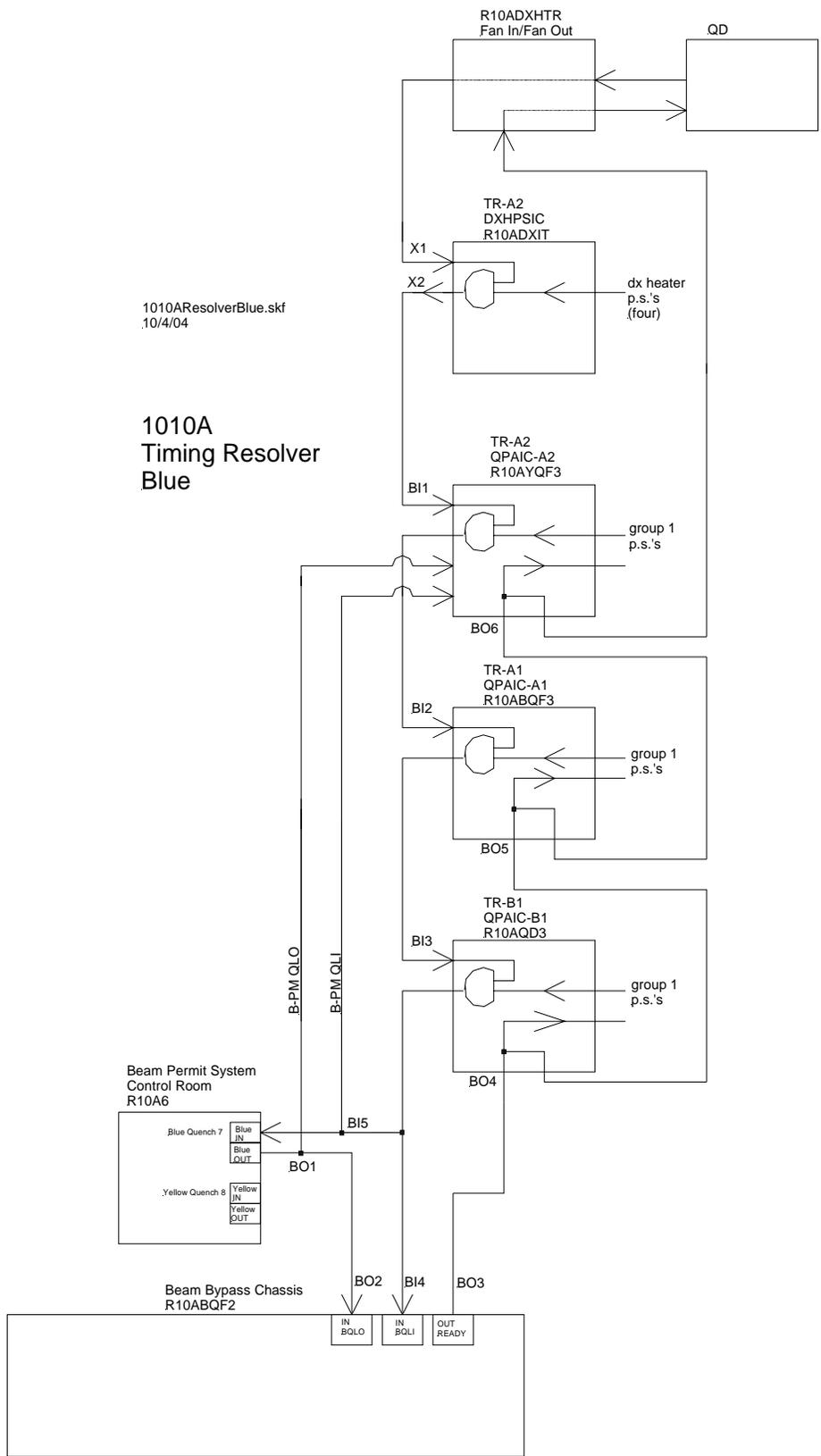
1008B  
Timing Resolver  
Blue



1008BResolverYellow.skf  
10/4/04

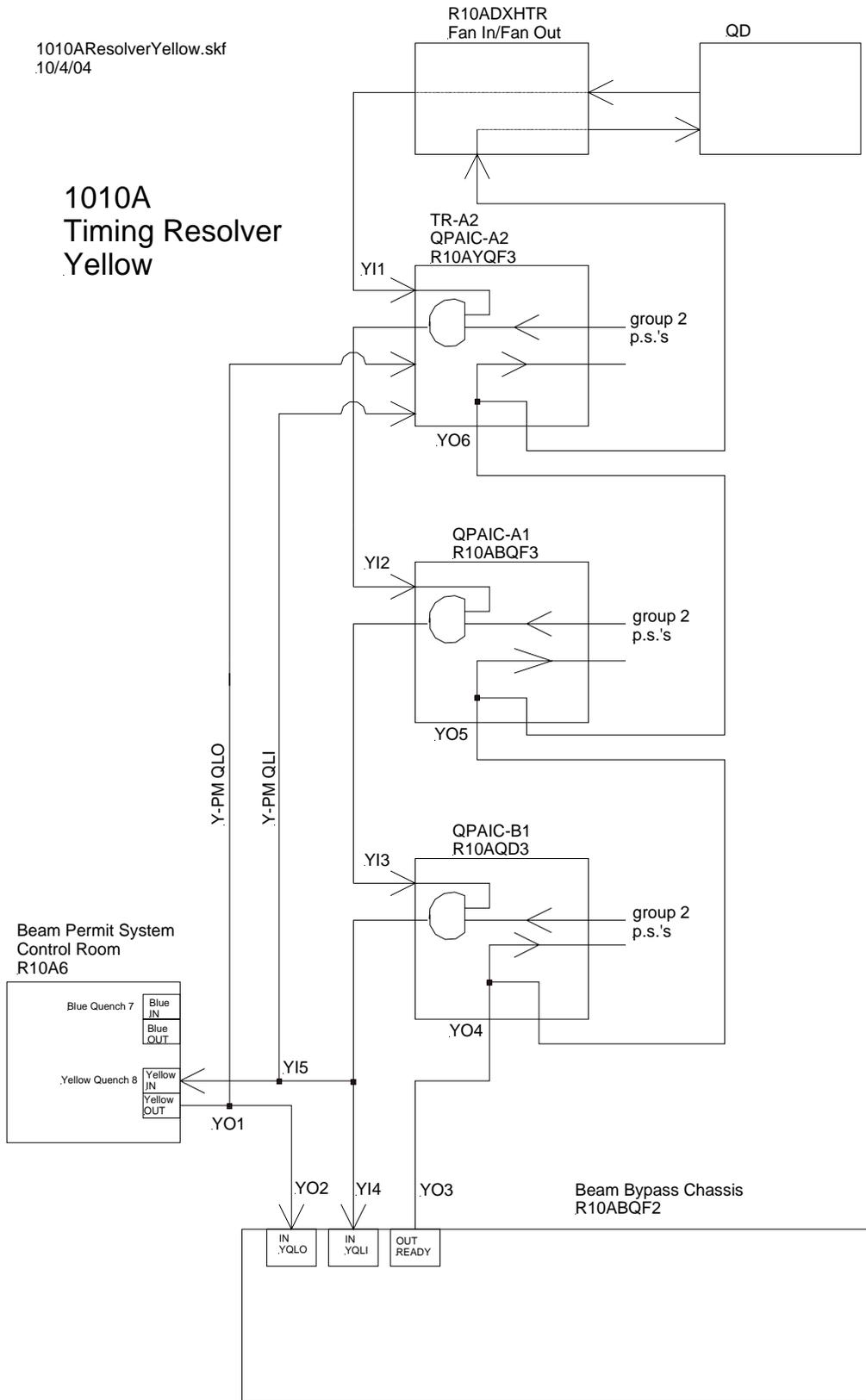
# 1008B Timing Resolver Yellow





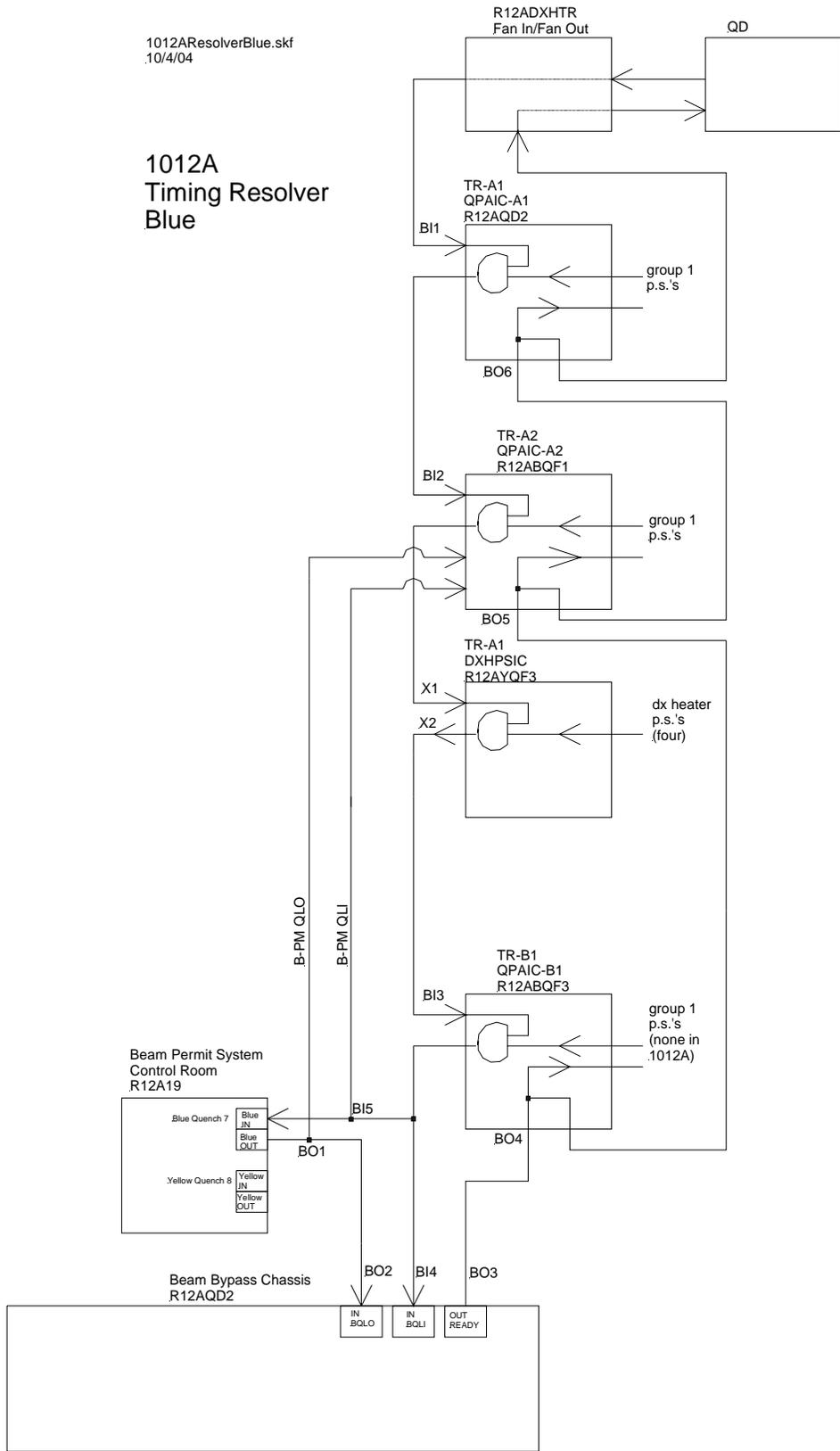
1010AResolverYellow.skf  
10/4/04

# 1010A Timing Resolver Yellow



1012AResolverBlue.skf  
.10/4/04

# 1012A Timing Resolver Blue



1012AResolverYellow.skf  
10/4/04

# 1012A Timing Resolver Yellow

